



PAPER TESTING ASSOCIATION

PULP Testing Equipment



SHEET FORMER RAPID-KÖTHEN Automatic or manual

Code. X10.405.xxx

For preparation of standardized laboratory hand sheets with 200mm diameter.

Standards : ISO 5269/2 - DIN 54358 - Zellcheming Merkblatt V/8/76



Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169



PAPER TESTING ASSOCIATION

PULP Testing Equipment



DEVICE DESCRIPTION :

The Rapid-Köthen device is built upon a warp resistant stainless steel frame. This robust base holds the pump, hot water bath, suction chamber, etc. On the left hand side of the work table you can find the sheet forming column, the white water tank and the white water thermostat. The dryers are located on the right hand side. You can find only a few important control switches on the work table in order to ensure work space for the transferring process between sheet former and dryer. Adjustments and setting for the automatic sheet forming process as well as parameters for the drying process can be controlled by using the touch screen display located next to the dryer timers and gauges.

TEST DESCRIPTION :

At first, either automatic or manual sheet forming has to be selected. In order to start the automatic sheet forming process all parameters need to be preselected on the touch screen. Once the automatic process has been started, the device will fill the sheet forming column automatically with water. When the water level reaches the 4 liters mark add the disintegrated stock. The device will now continue filling the column with water and complete the sheet forming process by itself. This whole process can also be carried out manually. Via the manual operation switch the individual steps can be undertaken separately. After the draining process the formed wet sheet can be transferred to the dryer with the help of a carrier board, a cover sheet and the delivered couch roll. After transferring the wet sheet to the dryer, you can start the drying process by setting the timer and pushing the start button. The dryer will stop after the preselected time.

SPECIFICATIONS :

- Highest quality standards
- Fully automatic sheet forming
- Built-in touch screen control panel
- Up to 5 dryers available
- Compliant with ISO 5269-2 and DIN 54358
- Dryer water circulation of 3-6 l/min according to standards
- Special lightweight dryers made of stainless steel
- Dryer water temperature of 93 - 97°C according to standards, individually adjustable
- Optional dryer temperature up to 145°C
- Optional circular water system for chemical analysis

Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169



PAPER TESTING ASSOCIATION

PULP Testing Equipment



SHIPMENT :

Rapid Köthen sheet forming and drying device
Couch roll
Rubber plate
Carrier boards
Cover sheets
Set of gaskets
Drainage pipes
1 additional sheet forming screen
Optional: mounting frame for sheet forming screen

MODELS :

Rapid Köthen Sheet Former Specifications :

Control System	Number of Dryers	Code
Manual Control	1	10.405.110
Manual Control	2	10.405.120
Manual Control	3	10.405.130
Manual Control	4	10.405.140
Manual Control	5	10.405.150
Automatic Control	1	10.405.210
Automatic Control	2	10.405.220
Automatic Control	3	10.405.230
Automatic Control	4	10.405.240
Automatic Control	5	10.405.250
Automatic Control and circular water system	1	10.405.310
Automatic Control and circular water system	2	10.405.320
Automatic Control and circular water system	3	10.405.330
Automatic Control and circular water system	4	10.405.340
Automatic Control and circular water system	5	10.405.350

Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169



PAPER TESTING ASSOCIATION

PULP Testing Equipment



CONNECTIONS :

Water : Supply of 200 kPa
Drainage

Air : 400 – 600 kPa

Electricity : 230 V / 50 Hz AC

Sold & serviced by:

OpTest Equipment Inc.

www.optest.com - sales@optest.com - +1-613-632-5169